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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/527,796	03/15/2005	Minoru Azakami	123738	7519
25944 7590 12/17/2009 OLIFF & BERRIDGE, PLC P.O. BOX 320850 ALEXANDRIA, VA 22320-4850				
EXAMINER				
NORDMEYER, PATRICIA L				
ART UNIT		PAPER NUMBER		
1794				
MAIL DATE		DELIVERY MODE		
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/527,796

**Applicant(s)**

AZAKAMI ET AL.

**Examiner**

Patricia L. Nordmeyer

**Art Unit**

1794

**Period for Reply** -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 24 September 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-5 and 7-11 is/are pending in the application.
- 4a) Of the above claim(s) 9-11 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7 and 8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-8508)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Withdrawn Rejections***

Any rejections and or objections, made in the previous Office Action, and not repeated below, are hereby withdrawn due to Applicant's amendments in the response dated September 24, 2009.

***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1 – 5, 7 and 8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The phrase “the volume hologram layer is exposed to an outside of the counterfeiting prevention layer” in claim 1 is unclear, which renders the claim vague and indefinite. It is unclear what is trying to be claimed in the above statement as a word appears to be missing. Is the layer exposed to the top surface of the label, or just a side edge?

Claims 2 – 5, 7 and 8 are also rejected under 35 U.S.C. 112 2<sup>nd</sup> paragraph due to their dependency on the above rejected claim.

***Claim Objections***

3. Claim 8 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. The limitation of claim 8 appears to be added to independent claim 1.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1 – 5, 7 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chatwin et al. (USPN 5,310,222) in view of DE 4314579 A1.

Chatwin et al. disclose a counterfeiting prevention label (Column 2, line 1) comprising: a base sheet (Column 6, lines 22 – 23); and a volume hologram layer covering a part of a front surface of the base sheet (Column 7, lines 1 – 4); wherein the volume hologram layer extends between a first end of the base sheet and a second end of the base sheet opposite the first end (Figure 1, #3), the end surface of one end of the volume hologram layer is flush with the end surface of the first end of the base sheet (Figure 1, #3), and the end surface of the other end of the volume hologram layer is flush with the end surface of the second end of the base sheet

(Figure 1, #3), wherein a self-adhesive layer is formed on a back surface of the base sheet, and the adhesive layer is covered with a release sheet that is larger than the base sheet (Column 4, lines 46 – 56) as in claim 1. With regard to claim 2, the base sheet has a quadrilateral shape (Column 4, lines 46 – 56), and the volume hologram layer extends between a first side of the base sheet and a second side of the same opposite the first side (Figure 1, #3). As in claim 3, the volume hologram layer is bonded to the front surface of the base sheet with a heat-sensitive adhesive layer or a pressure-sensitive adhesive layer (Column 6, lines 23 – 30). Regarding claim 4, the surface of the volume hologram layer not facing the base sheet is coated with a protective layer (Figure 1, #6). As in claim 7, the release sheet is larger than the base sheet, the base sheet, the volume hologram layer and the self-adhesive layer form a laminated structure, a plurality of laminated structures are arranged on the release sheet, and the laminated structures have substantially the same desired shape in a plane and are spaced apart from each other (Column 4, lines 46 – 56). Regarding claims 1 and 8, characters are printed on the volume hologram layer and/or a part, not coated with the volume hologram layer, of the front surface of the base sheet (Column 4, lines 1 – 6). However, Chatwin et al. fail to disclose the volume hologram having a shape of a ribbon, the volume hologram layer does not cover the entire surface of the base sheet and a part, coated with the volume hologram layer, of the surface of the base sheet is depressed relative to a part, not coated with the volume hologram, of the surface of the base sheet to form a depression and the volume hologram layer is exposed to an outside of the counterfeiting prevention label.

DE 4314579 A1 teaches an adhesive label (Derwent Abstract) with a volume hologram having a shape of a ribbon (Derwent Abstract; Figure, #1), the volume hologram layer does not cover the entire surface of the base sheet (Derwent Abstract; Figure, #1) and the end surface of the other end of the volume hologram layer is flush with the end surface of the second end of the base sheet (Derwent Abstract; Figure, #1) and the volume hologram layer is exposed to an outside of the counterfeiting prevention label (Figure 1, wherein the side edge of the hologram layer is exposed on the side of the label) for the purpose of forming a security label that has a printable surface (Derwent Abstract).

It would have been obvious to one of ordinary skill in the art at the time the applicant's invention was made to have provided the ribbon hologram that does not cover the entire surface of the base sheet in Chatwin et al. in order to form a security label that has a printable surface as taught by DE 4314579 A1.

As to claim 1, the recitation that the volume hologram is “formed by a transfer process” is a process recitation in a product. Product claims including process recitations are not limited by the manipulation of the recited steps, only the structure implied by the steps. See MPEP 2113. In the present instance, the process steps imply that the volume hologram is part of the label structure. The reference discloses such a product (Column 2, line 1).

With regard to the limitation the surface of the base sheet is depressed relative to a part, it is well settled that a particular shape of a prior invention carries no patentable weight unless the applicant can demonstrate that the new shape provides significant unforeseen improvements to the invention. In the instant case, the application does not indicate any new, significant attributes of the invention due to its shape which would have been unforeseen to one of ordinary skill in the art. MPEP 2144.04 Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to change the shape of the base layer. One skilled in the art would have been motivated to do so in order to change the appearance of the object to which the label is adhered.

#### ***Response to Arguments***

6. Applicant's arguments filed September 24, 2009 have been fully considered but they are not persuasive.

With regard to Applicant's argument that the hologram layer is not exposed to the outside of the counterfeiting prevention layer, DE 431479 A1 teaches the volume hologram layer is exposed to an outside of the counterfeiting prevention label (Figure 1, wherein the side edge of the hologram layer is exposed on the side of the label). And if Applicant meant that the hologram layer is exposed on the front surface of the label, it would have been obvious to one having ordinary skill in the art at the time the invention was made to make the hologram layer being exposed on the top surface of the prevention label, since it has been held that rearranging parts of an invention involves only routine skill in the art. MPEP 2144.04.

***Conclusion***

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia L. Nordmeyer whose telephone number is (571)272-1496. The examiner can normally be reached on Mon.-Fri. from 10:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David R. Sample can be reached on (571) 272-1376. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Primary Examiner  
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